10MP Mac OS microscope camera

Description High Resolution 10.0 Mega pixels resolution 1/2.3 inch chip size USB2.0 interface, non-compress image output, support in Window and Mac OS.

Overview:

10.0M pixels resolution
1/2.3 chip size based on MT9J001
Scientific grade, non compress image output
High fidelity color reproduction
One click image acquisition and storage capabilities
Support Windows 2000 and up, Mac OS

Application: Bioscience Ophthalmology Normal Microscopy

Specifications:

Sensor	Micron
Sensor type	MT9J001
Sensor size	1/2.3 inch
Pixels	1.67micron X 1.67micron
Resolution	3856H x 2764V
Filter	RGB Bayer
Lens interface	C/CS mount
Maximum	3fps (3856*2764)/25fps (1280*1024)
RGB	8 bit
Exposure control	automatic/manual
Exposure time	1ms-0.3S
White balance	automatic/manual
Scan mode	progress
Shutter	electronic rolling shutter
Sensitive	0.44V/LuxS (550nm)
S/N ratio	40.5dB
Dynamic range	>66.5dB
Controlling	image size, bright, gain, exposure time, color
Data interface	USB2.0/480Mb/s
USB cable	1.8 meter
Supply electricity	USB2.0
Dimension	65mm*86mm*37mm(HXBXT)
Weight	220g
Operational temperature	0-60℃
Operational humidity	45%-85%
Storage temperature	-20-70℃

Each camera includes：

10MP digital camera （standard C-mount、1.8 meter USB cable）	1
TCN-0.5 photograph reduce lens, 23, 30, 30.6mm direct insert interface	1

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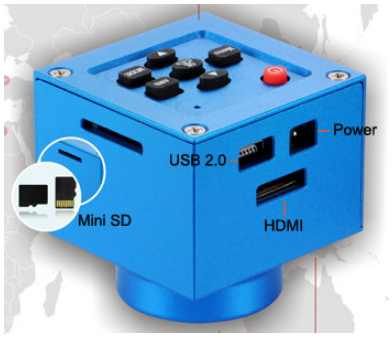

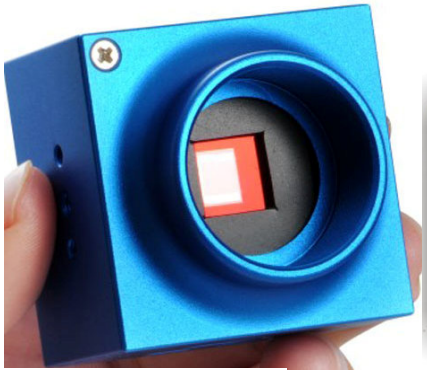

MCHD1 HDMI Multi-model Microscope Camera

The Smallest, but most powerful New Digital Camera in 2012!

MCHD1 HDMI Multi-Mode microscope camera, size only 4x4x4.5cm, is a **1080p/720p** HD scientific grade image processing project that has ultra superior color reproduction and super fast frame speed. Its functions can be independent utilized.

MCHD1 can be operated on HDMI screen independently or process image via USB2.0 without connecting with PC. The fast change responding speed and short responding time of the optical signal adopted by MCHD1 has been used in many areas like optical image processing fields.

Specifcation:

Image Senser	CMOS, Color, Progressive scan
Optical Format	1/2.5-inch(4:3)
Active Image Siza	5.70mm(H)x4.28m(V)
Active Pixels	2592Hx1944V
Pixel Size	2..2x2.2µm
Shutter Type	Global reset release(GRR), snapshot only, electronic rolling shuttrt(ERS)
Color Filter Array	RGB bayer pattern
ADC Resolution	12-bit
SNRMAZ	38.1db
Pixel Dynamic Range	70.1db
Operating Temperature	-30°C to +50°C
Photo Resolution	2592x1944/1920x1080/1280x720. Selectable resolutions for capturing images
Video Size	720P/30fps
Exposure Setting	Automatic/manual
White Balance Setting	Automatic/manual/Preset:3 modes for the color temperature of light scource, one-press button control AWB
Dta Interface	HDMI/USB2.0/Mini SD 4G included
Control Interface	Plastic button control
Lens Mount	Adjuctable C-mount standard
Operating Systems	Windows XP/Vista/ Win7(32 and 64-bit) under USB2.0 mode
Measuring Software	VMS3.5, Multi languages
Power Supply	5V DC/2A

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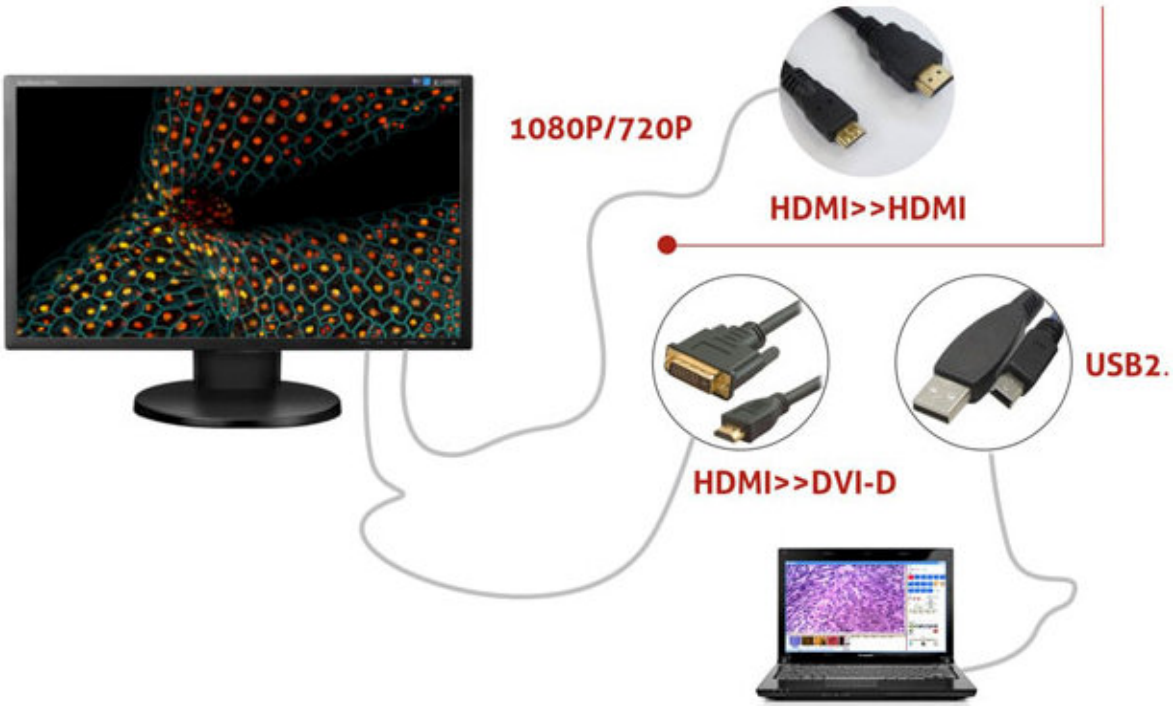

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Optional 0.5x Photo Eyepiece, 30mm & 30.5mm Ocular Ring, To Connect Monocular/Binocular Microscope
Upgrade Your Microscope to LCD Digital Microscope Today!

7" Pad Digital Camera for Microscope

Description This 7" Pad Digital Camera for Microscope is a revolutionary product in microscope area which combines of tablet PC and a digital camera, it can preview, take snaps, videos and save them, wireless transmission, 3G internet surfing. It has a C-mount connecter which can be connected to any microscopes with microscope adaptors. It is an Ideal instrument of industrial optical inspection, teaching and scientific research.

Features ● Specially designed and optimized for all-in-one. Microscope with LCD pad for preview, capture photo and video, storage, playback, wireless data network,etc.

● High quality images, ture dolors as same as CCD cameras.

● Easy to install, come with international standard C-mount connector, it can be installed on monocular, binocular, trinocular, stereo, dissectiong and various kinds of microscopes and telescopes with optional eyepiece adaptor.

● Wide view angle, adjustable 90° inclined

● Abundant data output, convenient for transmission. Come with Mini USB, tf Card Slot, External 3G, HDMI interface, headphone slot,microphone and power supply slot.

● Built-in Android 2.3 operating system, complete application functuions. Users can download any of the tens of thousands of Android application software from the official Android Market and other websites. High quality entertainment(picture, movies, music, reading and games) is just a finger swipe away.

● 7" LED Backlight HD LCD screen. 5 points multi-touch screen,gravity sensor.

● Power full web functions,keep you connected with friends,friends, family and clients. Wireless WIFI transfer and optional 3G internet access allows users to be connected to internet, share the information via email,MSN, Forum,Blog, access online services any time wherever you go.

● Aluminum C-mount connector, solid and reliable conncetion.

Specification:

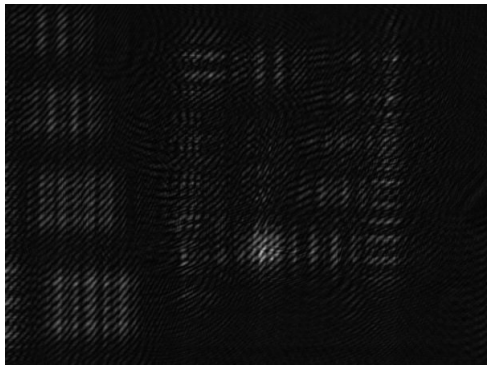
Digital Parts	5 MegaPixels, 1/2.5" CMOS Sensor, 2592x1936
	Image-previewing Rate:30 fps at full resolution
	Connection: C-mount or Ocular tube adaptor
Display	7" LED Backlight TFT LCD screen(1024*600)
	G-sensor, multi-point capacitance touch screen
Operating System	Android 2.3
CPU	1GHZ
RAW	512MB DRAM
Storage Device	4G Nand Support external TF card, maximun capacity od 32GB
Application Software	Browser/Reset/Task/Calculator/Camera/Calendar/Clock/Dairy/Emails/Books/E-book/Muscic/Games/MSN/Skype/Gmail ect.
	System software support various android, download with android market
Buttons	Top Button: Turn on/off, Volume+, Volume -, Reset
	Front Main Button: return, home, menu, search
Battery	Capacity: 4500mAh, rechageable LI-polymer battery
Wi-Fi	Support wireless data network, wireless lan 802.11b/g
3G Net Work	Blue toothe V2.1+EDR
Interface	Mini USB 2.0, HDMI, Micro-SD card slot(up tp 32GB), 3.5mm stereo headphone slot
Audio	2 pcs Built-in class-D digital power amplifier loudspeaker, built-in microphone
Media File	Photo file formats support: JPG, GIF, BMP, PNG
	Video File formats support:MPEG-2 Main-High、H.264 BP/MP/HP、VC1 SP/MP/AP、RV10 8/9/10、MPEG-4/Xvid SP/ASP、DivX 3/4/5/6、H.263 P0/P3、 MJPEG Encode：H.264 BP、H.263 P0/P3、MPEG-4 SP、MPEG-2 Main-Main、MJPEG、3D formal format.
Language	Multi language(T-Chinses, S-Chinese and English etc.)
Adapter	DC5V 2000mA, plug tupe optional: USA,EU,UK and etc
Accessories	Power adapter, input: DC100-240V, USB cable, USB cable (short) ,user manual

Eyepiece Adapter	0.5x Photo Eyepiece, 30mm & 30.5mm Ocular Ring	**Optional Accessories**

1.4MP mono Cooled CCD Camera

Description Overview：

Scientific-grade CCD chip
1.4Mega pixels resolution （1360X1024）
12 bit color RGB
progress scan
USB2.0 output， used to take professional microscopic image



CCD chip manufacturer	Sony
CCD chip model	ICX205AL
CCD scan mode	Progress
CCD size	1/2 inch
Pixels	4.65micron x 4.65micron
G sensitive	450 mV
Resolution	1360H x 1024V
Filter	R, G, B buyer
Lens interface	Standard C-mount
Maximum fps	12.5 fps (1360 x 1024)/15fps (680 x 520)
Low-speed readout	ok
A/D conversion	12 bit
Peltier cooled	-30 ℃ below ambient
Exposure control	automatic/manual
Exposure time	0.1ms-60minute
Angle light control	Yes
White balance	automatic/manual
Parameter	image size、bright、gain、exposure、RGB
Data interface	USB2.0/480Mb/s
USB cable	2.5meter
USB power supply	USB2.0
Dimension	100mm*81mm*48mm(HXBXT)
Weight	480g
Operational temperature	0-60℃
Operational humidity	45%-85%
Storage temperature	-20-70℃

Each camera include：

1.4 MP Mono Cooled CCD Camera（standard C-mount、1.8 meter USB cable）	1
Driver、software CD – Manual – Certification - Aluminum carton	1

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5.0 MP Cooled Microscope Camera overview:

2/3 scientific grade ccd chip
5.0M pixels resolution (2580*1944)
Peltier cooled to -30℃ below ambient
Angle light control function, obtaining a long fluorescence iamge CNC aluminum alloy metal case, No dew

Application:

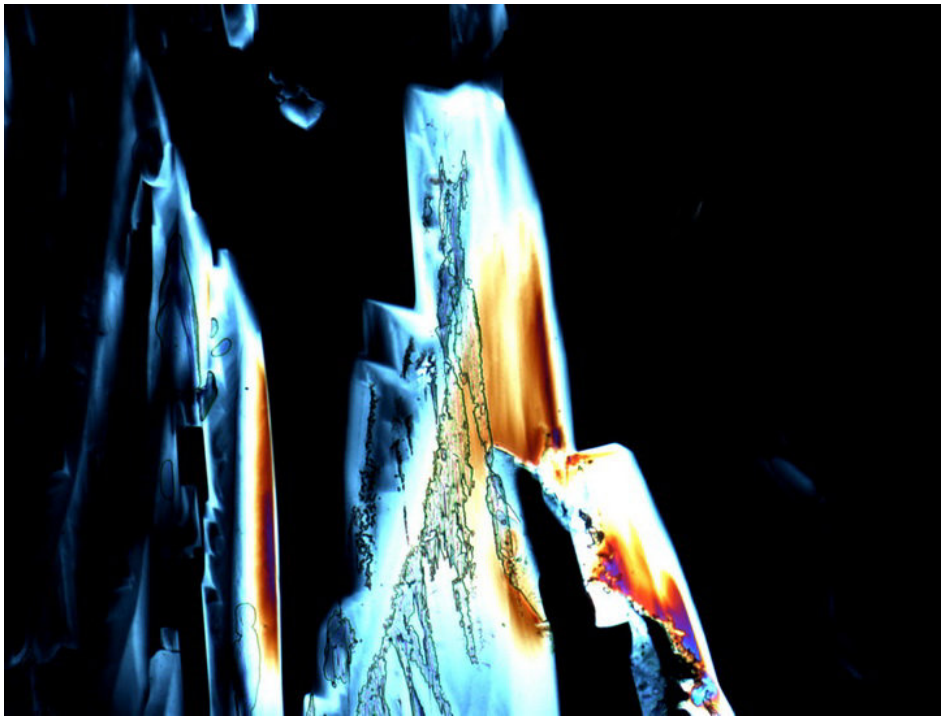
Bioscience, GEL documentation Solar cell/EL detection FITC, FRET Machine Vision Bio- &Chemi- Luminescence Biochip reading Ophthalmology Fluorescence spectroscopy

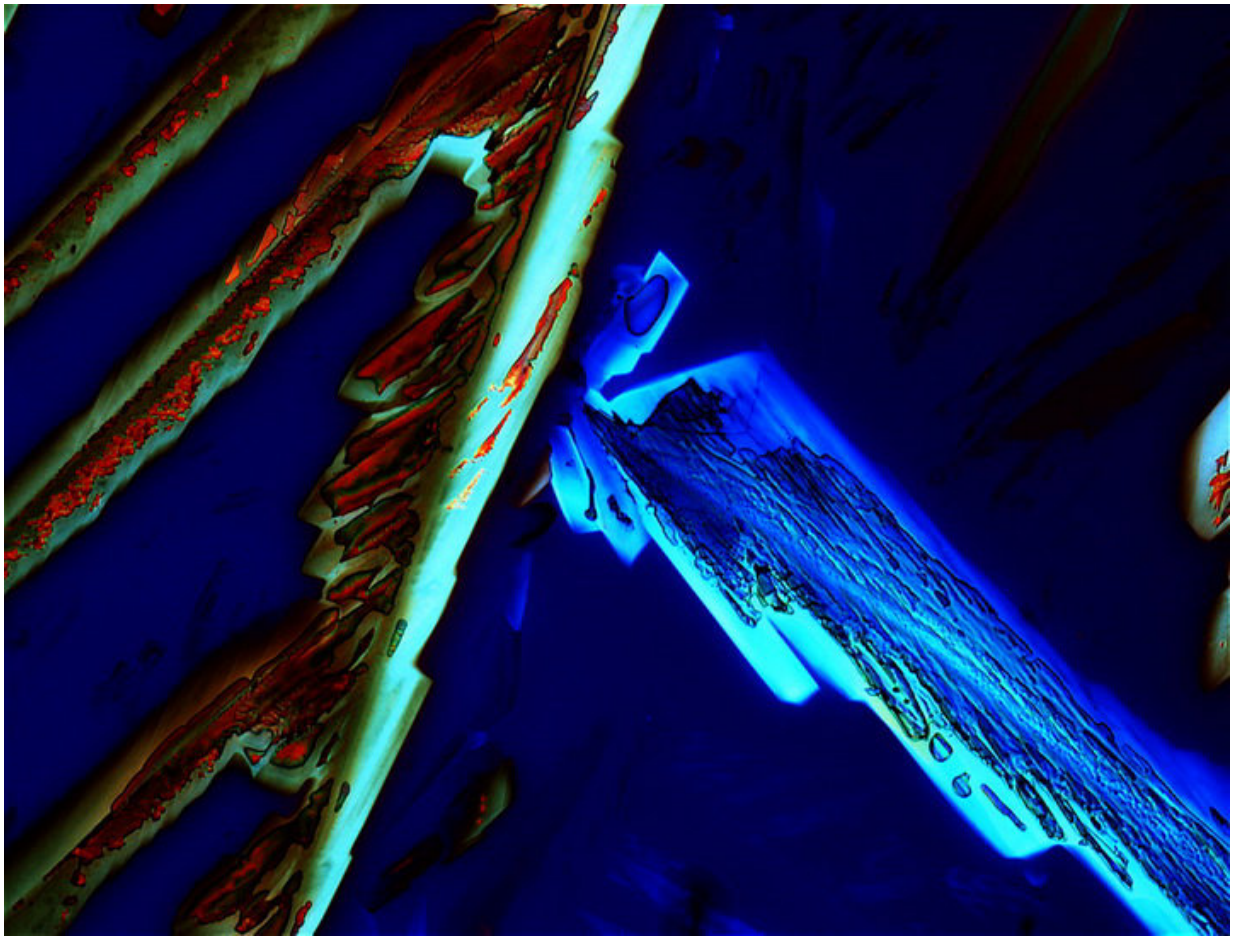
Specification:

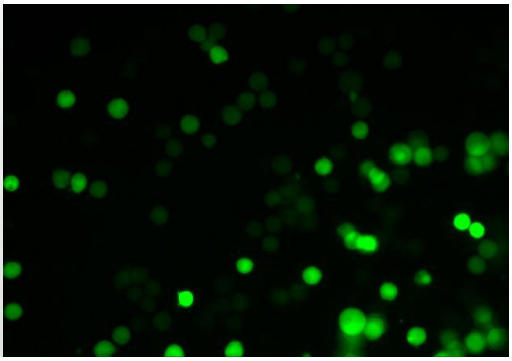
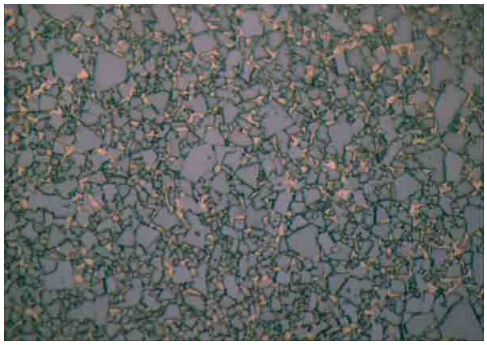
CCD chip manufacturer	Sony
CCD chip model	ICX282AQ
CCD scan mode	Interline
CCD size	2/3 inch
Pixels	3.4micron x 3.4micron
G sensitivity	280mV
Resolution	2580H x 1944V
Filter	R, G, B
Optical port	standard C-mount
Maximum fps	3 fps (2580 x 1944)/10 fps (1280 x 932)
Low-speed readout	Yes
A/D conversion	12 bit
Peltier cooled	-30°C below ambient
Power supply	3.5V exterior power supply
Exposure control	automatic/manual
Exposure time	0.1ms-60minute
Angle light control	Yes
White balance	automatic/manual
Parameter	image size,bright,gain,exposure,RGB
Data interface	USB2.0/480Mb/s
USB cable	1.8 meter
USB power supply	USB2.0
Dimension	130mm*111mm*54mm (HXBXT)
Weight	920g
Operational temperature	0-60°C
Operational humidity	45-85%
Storage temperature	-20-70°C

Each camera includes :

5.0 MP digital CCD camera (standard C-mount, 1.8 meter USB cable,peltier cooled cable)	1
Peltier cooled power supply - Driver、software CD – Manual – Certification - Aluminum carton	1





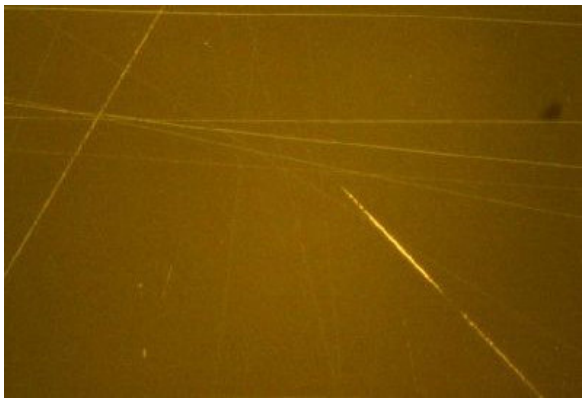



1.4MP USB Microscope Cooled Camera

Description **Overview:**

2/3 inch scientific-grade CCD chip
1.4Mega pixels resolution （1360X1024）
12 bit color RGB
progress scan, 15fps

1.4Mega pixels color peltier cooled CCD camera	
CCD chip manufacturer	Sony
CCD chip model	ICX285AQ
CCD scan mode	progress
CCD size	2/3 inch
Pixels	6.45micron x 6.45micron
G sensitive	1240mV
Resolution	1360H x 1024V
Filter	color
Lens interface	standard C-mount
Maximum fps	12.5 fps (1360 x 1024)/15 fps (680*520)
Low-speed readout	ok
A/D conversion	12 bit
Peltier cooled	-30℃ below ambient
Fan	30x30/5000rpm
Power supply	3.5V exterior power supply
Exposure control	automatic/manual
Exposure time	0.1ms-60minute
Angle light control	NO
White balance	automatic/manual
Parameter	image size、bright、gain、exposure
Data interface	USB2.0/480Mb/s
USB cable	1.8 meter
USB power supply	USB2.0
Dimension	100mm*81mm*48mm(HXBXT)
Weight	480g
Operational temperature	0-60℃
Operational humidity	45%-85%
Storage temperature	-20-70℃



Each camera includes：

1.4 MP digital camera （standard C-mount、1.8 meter USB cable、peltier cooled cable）	1
Driver、software CD – Certification - Aluminum carton – Manual - peltier cooled power supply	1

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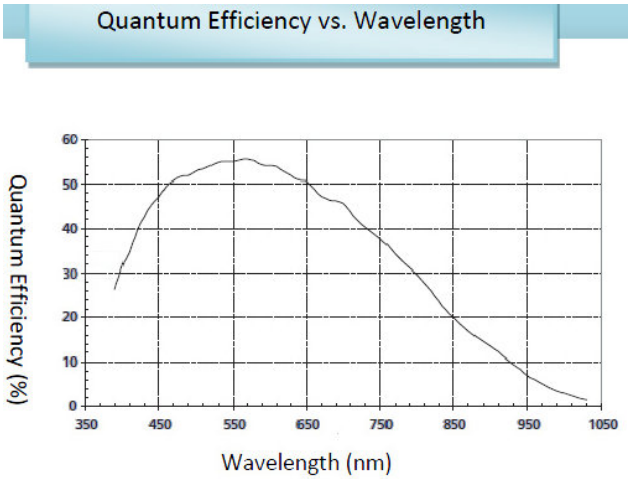

519MU 5.0 MegaPixel Camera for Fluorescent Microscop with Micrometrics SE software

Description

Super Light Sensitivity for Fluorescent Microscopes

Specification:

Resolution	5.0 MP
Power	USB Bus
Bit Depth	12-bit Digitization & Processing
	8-bit **Monochrome** Uncompressed Output
Master Clock	48MHz
Enclosure	Die Cast Aluminum
Microscope Interfacing	Stainless Steel C-mount
Recommended Video Adaptor	0.4X
Sensor Technology	CMOS
Pixel Array	2592H x 1932V Arbitrary Simultaneous Windowing, Binning
	& Sub-sampling
Sensitivity	1.64V/Lux-Second at 550nm
Pixel Size	2.2µm x 2.2µm
Signal-to-Noise Ratio	38.1dB
Imaging Area	5.70mm x 4.28mm
	7.13mm Diagonal
Electronic Shutter Type	Rolling
Frame Rate	**7FPS at Full Resolution**
	Proportional to Window Size/Decimation Factor
Maximum Exposure Time	76 Seconds
OS Compatibility	32-bit & 64-bit Windows 7; 32-bit Windows Vista & XP
IR Filter	BP645

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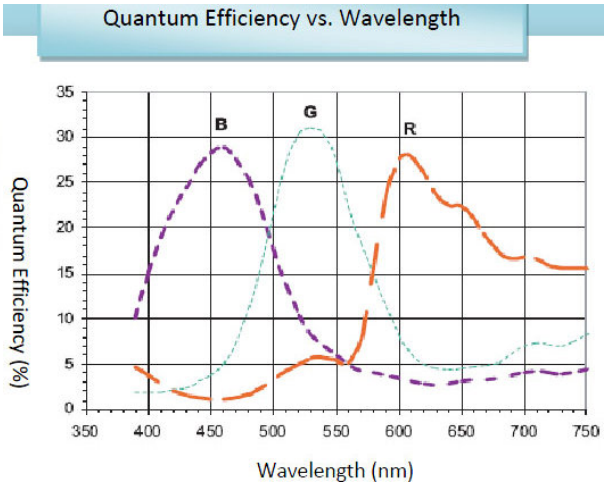

519CU Microscopy Camera 5.0 MegaPixel with Micrometrics SE software

Description

Super Color Fidelity

The new generation 519CU camera builds on and improves upon the architecture of its predecessor by offering faster frame rates than ever possible before on USB 2.0 microscopy cameras. The 519CU camera delivers 7 frames per second at full resolution (2592 x 1932), which is three times the rate offered on prior models without any compromise in image quality as the noise level has been reduced by 90% with the introduction of a new heat dissipation and circuit design. With 32MB of onboard memory the 519CU holds a significant amount of data generated by the image sensor and then transfers captured images to the computer via USB 2.0 bulk transfers. This design promotes frame integrity, faster data rates and allows for multiple simultaneous camera connections. The 519CU is designed for use in brightfield microscopy applications.

Specification:

Resolution	5.0 MP
Power	USB Bus
Bit Depth	12-bit Digitization & Processing / 8-bit RGB Uncompressed Output
Master Clock	48MHz
Enclosure	Die Cast Aluminum
Microscope Interfacing	Stainless Steel C-mount
Recommended Video Adaptor	0.4X
Sensor Technology	CMOS
Pixel Array	2592H x 1932V Arbitrary Simultaneous Windowing, Binning / & Sub-sampling
Sensitivity	.053V/Lux-Second at 550nm
Pixel Size	2.2µm x 2.2µm
Signal-to-Noise Ratio	40.5dB
Imaging Area	5.70mm x 7.13mm / 7.13mm Diagonal
Electronic Shutter Type	Rolling
Frame Rate	7FPS at Full Resolution /Proportional to Window Size/Decimation Factor
Maximum Exposure Time	76 Seconds
OS Compatibility	32-bit & 64-bit Windows 7; 32-bit Windows Vista & XP
IR Filter	BP680

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MicPad 5000 Smart Digital Microscope Camera

Description

· Sharp. Crisp. Brilliant. Revolutionary Product for digital Microscopy. · Seamless integration of a 5 megapixel camera with a 10″ tablet PC and powered by an Android 2.3 OS, the MicPad 5000 allows users to view live video in stunning 720P resolution, capture images, meausre and analyze the specimen, and share documents with co-workers. It is widely used in microscopy of Brightfield, Pathology, Cytology, Microbiology, Defect Analysis, Metallurgy, Inspection.

Features:

1, 5 megapixel color camera
2, 9.7″ HD LED backlit touch screen
3, VMS6 Image Analysis Software
4, 720P live video preview
5, Android 2.3 OS, 1.2 GHz ARM Cortex® A8 Core Processor
6, 8 GB Memory
7, Micro SD card slot
8, Supports external mouse or flash drive via USB
9, 3 hour battery life
10,WI-FI & Bluetooth ready

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Camera Specifications:

Sensor/Adapter	1/2.5″ CMOS / C-mount
Resolution	5 MP CMOS Built-in Camera System (2592 x 1936)
Frame Rate	Image Preview: 30fps at Full Resolution Video: 720P/15fps
Pixel Array	2.2 µm x 2.2 µm
White Balance	Manual / Automatic / Preset
Controls	Programmable: Gain, Frame Rate, Frame Size, Exposure
Shutter Type	Global Reset Release (GRR)
Color Filter Array	RGB Bayer Pattern
Dynamic Range	71dB
SNRMAX	40.5dB

Tablet PC Specifications:

Display	9.7″ HD LED Backlit Screen (1024 x 678) / G-Sensor, Multi-point Touch Screen / Wideview Angle, Adjustable 90° Incline
System	Android 2.3 OS; 1.2GHz ARM Cortex® A8 Core Processor / 1GB DDR3 RAM; 8GB Internal Storage *(Optional 16GB)*
Bit Depth	12-bit Digitization & Processing / 8-bit RGB Uncompressed Output
Interfaces	Mini USB 2.0, HDMI, Micro SD Card Slot (up to 32GB), SIM Card Slot, / Headphone Jack
Audio	Built-in Class-D Digital Stereo Speaker / Built-in Microphone
WI-FI	Supports Wireless Data Network, Wireless LAN 802.11 b/g/n
Bluetooth	V2.1 + EDR
3G Network	Optional 3G Module; External 3G Card Slot / Supports WCDMA / EVDO / TDSCDMA
Media File Formats	**Video:** MPEG-2 Main-High, H.264 BP/MP/HP, VC1 SP/MP/AP, - RV10 8/9/0, MPEG-4/Xvid SP/ASP, DivX 3/4/5/6 , H.263 PO/P3, / MJPEG Encode: H.264 BP, H.263 PO/P3, MPEG-4 SP, / MPEG-2 Main-Main, MJPEG, 3D **Audio:** MP3, ACC, ADTS, M4A, WMA **Photo:** JPG, GIF, BMP, PNG
Applications Software	Measurement (size, angle, area, rectangle, cell count, contrast, /exposure control, color offset, and more; Email; Google Search; /Calendar; Clock; Calculator; Quick Office Pro (Quick Word, Quick /Sheet, Quick Point, Quick PDF); Google Android Market Support /for Thousands of Applications Downloads
Ambient Conditions	30° C to 70° C
Power	External Adapter: AC 110V - 220V; Output: DC5V 3A /Battery: 3.7V 6400mAh Rechargeable Li-Polymer, 10 Hours
Languages	English, German, Spanish, French, Italian, Russian, Czech, /Danish, Dutch, Norwegian, Swedish, Polish, Portuguese, /Greek, Turkish, Korean, Japanese, Chinese
Accessories	USB Cable, User Manual

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